

UDOT Minimum Sampling and Testing Requirements

Revised April '07

Specification - Material: 02741 HMA

Assurance: Asphalt Binder Content and Sieve Analysis

Reference: AASHTO T 308 and AASHTO T 30

Lot Size: Production Day

Frequency per Lot: Four

Point of Acceptance: Grade behind the paver

Sampling Reference: MOI 8-984

Report/Form:

Assurance: Asphalt Binder Content and Sieve Analysis

Reference: AASHTO T 308 and AASHTO T 30

Lot Size: Production Day

Frequency per Lot: If the fourth sample cannot be obtained the lot is evaluated on three test results

Point of Acceptance: Grade behind the paver

Sampling Reference: MOI 8-984

Report/Form:

Assurance: Theoretical Maximum Specific Gravity (Rice)

Reference: AASHTO T 209

Lot Size: Production Day

Frequency per Lot: Three in conjunction with VMA determination (One determination is the average of two test results split from a single sample. The two test results must be within the "Acceptable Range of Two Results - single-operator precision" as defined in T 209. A third test result from the same sample may be necessary to have two within the range.)

Point of Acceptance: Grade behind the paver

Sampling Reference: MOI 8-984

Report/Form:

<i>Specification - Material: 02741 HMA</i>
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Assurance: Voids in Mineral Aggregate (VMA) Determination

Reference: AASHTO T 312, AASHTO R 35

Lot Size: Production Day

Frequency per Lot: Three, in conjunction with Rice Determination (one VMA determination is based on an average of two specimens)

Point of Acceptance: Grade behind the paver

Sampling Reference: MOI 8-984

Report/Form:

Assurance: In-Place Density

Reference: AASHTO T 166

Lot Size: Production Day

Frequency per Lot: Ten: two in each of five equal sublots

Point of Acceptance: Grade after compaction, prior to traffic

Sampling Reference: MOI 8-984

Report/Form:

Assurance: Joint Density

Reference: AASHTO T166

Lot Size: Production Day

Frequency per Lot: Five: one six-inch core in each of five equal sublots

Point of Acceptance: Grade after compaction, prior to traffic

Sampling Reference: MOI 8-984, center core on the visible line where the two adjacent passes abut at surface \pm 1 inch.

Report/Form:

<i>Specification - Material: 02741 HMA</i>
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Assurance: Thickness

Reference: Average of three measurements on each core recorded to 1/8 inch..

Lot Size: Production Day

Frequency per Lot: Ten in conjunction with in-place density determination

Point of Acceptance: Grade after compaction, prior to traffic

Sampling Reference: MOI 8-984

Report/Form:

Assurance: Smoothness

Reference: Standard Specification 01452

Lot Size:

Frequency per Lot:

Point of Acceptance:

Sampling Reference:

Report/Form:

Assurance: Visual Acceptance of very small quantities of materials

Reference: Acceptance is limited to materials being furnished from sources found satisfactory under normal sampling and testing procedures

Lot Size: For small projects with plan quantities of HMA less than 3000 tons or for work such as utility work, traffic signals, detours, lane leveling, etc., the Engineer may elect to accept material based upon visual inspection. When acceptance is intended to be based upon visual inspection, the Engineer reserves the option of conducting any acceptance tests necessary to determine the material and workmanship meets the project requirements.

Frequency per Lot: One report for each day material is accepted

Point of Acceptance: Grade

Sampling Reference:

Report/Form: Visual Inspection Report
